

WHAT IS CLAIMED IS:

1. A storage tank comprising:

a main body;

a riser attached to the main body; and

a sealing dome attached to the riser such that an airtight seal is formed.

2. The storage tank of claim 1, wherein the sealing dome includes a flanged end sized to accept the riser and wherein the sealing dome is positioned with the flanged end over a top end of the riser.

3. The storage tank of claim 2, further comprising a sealing band formed circumferentially over the flanged end of the sealing dome and a first portion of a riser wall to form the airtight seal and attach the sealing dome to the riser.

4. The storage tank of claim 3, further comprising a fillet having a first surface adjacent to an edge of the flanged end, a second surface adjacent to a second portion of the riser wall, and a third surface connected to the first surface and the second surface.

5. The storage tank of claim 4, wherein an angle formed between the third surface and the riser walls is approximately forty five degrees.

6. The storage tank of claim 1, wherein the riser is comprised of fiberglass.

7. The storage tank of claim 1, wherein the sealing dome is comprised of fiberglass.

8. The storage tank of claim 3, wherein the sealing band is comprised of fiberglass.

9. The storage tank of claim 1, wherein the sealing dome comprises a vertical wall and a top attached to an inside surface of the vertical wall.

10. The storage tank of claim 9, wherein the top includes a flat outer portion and a domed inner portion.

11. The storage tank of claim 10, wherein the vertical wall is attached to the riser.

12. The storage tank of claim 9, wherein a top of the sealing dome is positioned below a top of the riser.

5 13. The storage tank of claim 1, wherein the sealing dome has a circular circumferential shape.

14. A method of installing a storage tank comprising the steps of:
providing a storage tank having a main body, a riser attached to the main body, and a sealing dome attached to the riser such that an airtight seal is formed;
placing the storage tank in a desired location;
pressurizing an interior of the storage tank;
detecting the presence of air escaping from the interior; and
removing the sealing dome from a riser.

15. The method of claim 14, wherein the sealing dome includes a flanged end placed over a top of the riser and the sealing dome is attached to the tank by a sealing band formed circumferentially over the flanged end of the sealing dome, over a fillet having a first surface adjacent to an edge of the flanged end and a second surface adjacent to a second portion of the riser wall, and over a first portion of a riser wall to form the airtight seal and attach the sealing dome to the riser, and wherein the sealing dome is removed by removing a portion of the sealing band over the fillet.

20 16. The method of claim 15, further comprising the step of installing a riser extension over the riser using a remaining portion of the sealing band as a support for the riser extension.

17. The method of claim 14, wherein the sealing dome is removed by cutting through the sealing dome to remove at least a top portion of the sealing dome.

18. The method of claim 17, wherein the sealing dome includes a top having a central domed portion and a peripheral flat portion attached to the central domed portion, and the sealing dome is cut along the connection between the peripheral flat portion and the central domed portion.

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